

## Sierra Monolithics, Incorporated

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Monday, August 28, 2000

Ms. Magalie Roman Salas  
Secretary  
Federal Communications Commission  
445 12th St., S.W.  
Washington, DC 20554

Re: Ultra-Wideband  
ET Docket 98-153

Dear Ms. Salas:

- Our organization, Sierra Monolithics, Inc. is contacting you in response to the FCC's Notice of Proposed Rule Making on ultra-wideband radio. SMI has been involved in the design of integrated circuits for wireless communications since 1986, having designed GPS receivers, two-way pagers, PDC radio components, transponders, and key components of Ultra-Wideband radios.
- We feel that this technology will open up a number of commercial opportunities and provide a superior alternative to the Bluetooth radio for home and other short-range communications. The low-power output of UWB radios makes them inherently safe for the users and does not interfere with existing devices such as televisions and microwave ovens in the home. We also feel strongly that public safety will be enhanced by the radar and position tracking possibilities offered by this technology.
- Ultra-Wideband will provide a short-range data capability that will allow users to communicate effectively in a wireless environment. Small businesses such as SMI could deploy local area networks at very low cost and avoid the waste created by constantly moving wires and walls as changes occur.
- We Urge the FCC to move forward promptly in establishing rules for this technology.
- We implore the FCC to reach decisions on technical matters that will permit deployment of the technology to achieve maximum performance, so your organization can take advantage of new business opportunities offered by this technology.

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- We, at SMI, believe that Ultra-Wideband Technology offers many benefits to consumers and businesses. Data communications, public safety and the benefits of low cost wiring for schools and small companies are just some of these. This is an exciting technology that will help increase competition and create technology-based jobs in the United States.

Sincerely,

A handwritten signature in black ink that reads "Paul E. Cunningham". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Paul E. Cunningham  
Vice-President of Marketing and Sales